CLAIMS:

1. A coffee composition, comprising roast and ground coffee having levels of 3,7-dimethylocta-1,6-dien-3-ol of at least 6000 µgkg⁻¹ of dried roast and ground coffee as measured in the roast and ground product using the measurement method of Likens.

- 2. The coffee composition of claim 1, wherein the levels of 3,7-dimethylocta-1,6-dien-3-ol in dry roast and ground coffee is at least 8000 μgkg⁻¹ as measured using the Likens method.
- 3. The coffee composition of claim 1, wherein the levels of 3,7-dimethylocta-1,6-dien-3-ol in dry roast and ground coffee is at least 16,000 µgkg⁻¹ as measured using the Likens method.
- 4. A method for manufacturing a coffee flavored beverage having enhanced in cup coffee brew flavor, said method comprising adding 3,7-dimethylocta-1,6-dien-3-ol to a roast and either whole bean or ground coffee to produce a final coffee product having at least 25% higher level of 3,7-dimethylocta-1,6-dien-3-ol than the naturally occurring level of 3,7-dimethylocta-1,6-dien-3-ol in the whole bean or ground coffee as measured using the Likens method.
- 5. The method of claim 4, wherein the final coffee product has levels of 3,7-dimethylocta-1,6-dien-3-ol in the final coffee product which is at least 50% higher

than the naturally occurring level of 3,7-dimethylocta-1,6-dien-3-ol in the whole bean or ground coffee as measured using the Likens method.

- 6. The method of claim 4, wherein the final coffee product has levels of 3,7-dimethylocta-1,6-dien-3-ol in the final coffee product which is at least 100% higher than the naturally occurring level of 3,7-dimethylocta-1,6-dien-3-ol in the whole bean or ground coffee as measured using the Likens method.
- 7. The method of claim 4, wherein the 3,7-dimethylocta-1,6-dien-3-ol is added to whole bean coffee.
- 8. The method of claim 7, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises coating the whole bean with 3,7-dimethylocta-1,6-dien-3-ol dissolved in an oil carrier.
- 9. The method of claim 4, wherein the 3,7-dimethylocta-1,6-dien-3-ol is added to ground coffee.
- 10. The method of claim 9, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises adding 3,7-dimethylocta-1,6-dien-3-ol dissolved in an oil carrier to the ground coffee
- 11. A soluble coffee composition comprising a soluble coffee product having levels of 3,7-dimethylocta-1,6-dien-3-ol of at least 2000 µgkg⁻¹ of soluble coffee solids as measured in the soluble coffee product using the Likens method.

12. The soluble coffee composition of claim 11, wherein the amount of 3,7-dimethylocta-1,6-dien-3-ol is at least 4000 µgkg⁻¹ of soluble coffee solids as measured in the soluble coffee product using the Likens method.

- 13. The soluble coffee of claim 11, wherein the amount of 3,7-dimethylocta-1,6-dien-3-ol is at least 6,000 µgkg⁻¹ of soluble coffee solids as measured in soluble coffee product using the Likens method.
- 14. The soluble coffee of claim 11, wherein the amount of 3,7-dimethylocta-1,6-dien-3-ol is at least 10,000 µgkg⁻¹ of soluble coffee solids as measured in soluble coffee product using the Likens method.
- 15. A beverage mix comprising dry soluble coffee product and 3,7-dimethylocta-1,6-dien-3-ol of at least 2000 µgkg⁻¹ of soluble coffee solids in the beverage mix as measured using the Likens method.
- 16. The beverage mix of claim 15 wherein the 3,7-dimethylocta-1,6-dien-3-ol is present in an amount of at least 4000 µgkg⁻¹ of soluble coffee solids in the beverage mix as measured using the Likens method.
- 17. The beverage mix of claim 15, wherein the 3,7-dimethylocta-1,6-dien-3-ol is present in an amount of at least 10,000 µgkg⁻¹ of soluble coffee solids in the beverage mix measured using the Likens method.

18. The beverage mix of claim 15, wherein the 3,7-dimethylocta-1,6-dien-3-ol is present in an encapsulated form.

- 19. The beverage mix of claim 18, wherein the encapsulated form comprises maltodextrin, gum arabic, tricalcium phosphate and the 3,7-dimethylocta-1,6-dien-3-ol.
- 20. A method for manufacturing a coffee flavored beverage having enhanced in cup coffee brew flavor, said method comprising:

adding 3,7-dimethylocta-1,6-dien-3-ol to a liquid coffee extract having a naturally occurring level of 3,7-dimethylocta-1,6-dien-3-ol of less than 2000 µgkg⁻¹ of coffee solids in the coffee extract as measured using method of Likens, so as to produce a final soluble coffee product having at least 2000 µgkg⁻¹ of coffee solids in the final coffee product.

- 21. The method of claim 20, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises adding liquid 3,7-dimethylocta-1,6-dien-3-ol to the liquid coffee extract followed by drying to form a dry final soluble coffee product.
- 22. The method of claim 20, wherein the final soluble coffee product has levels of 3,7-dimethylocta-1,6-dien-3-ol of at least 3000 µgkg⁻¹ of soluble coffee solids present in the soluble coffee product.

23. The method of claim 20, wherein the final soluble coffee product has levels of 3,7-dimethylocta-1,6-dien-3-ol of at least $4000~\mu g k g^{-1}$ of soluble coffee solids present in the soluble coffee product.

- 24. The method of claim 20, wherein the final soluble coffee product has levels of 3,7-dimethylocta-1,6-dien-3-ol of at least 10,000 µgkg⁻¹ of soluble coffee solids present in the soluble coffee product.
- 25. The method of claim 20, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises adding powdered 3,7-dimethylocta-1,6-dien-3-ol to the liquid coffee extract followed by drying to form a dry final soluble coffee product.
- 26. A method for manufacturing an enhanced coffee flavored beverage having enhanced in cup coffee brew flavor, said method comprising:

adding 3,7-dimethylocta-1,6-dien-3-ol to a roast and either whole bean or ground coffee.

- 27. The method of claim 26, wherein the 3,7-dimethylocta-1,6-dien-3-ol is in an encapsulated form.
- 28. The method of claim 26, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises adding 3,7-dimethylocta-1,6-dien-3-ol to increase the concentration of 3,7-dimethylocta-1,6-dien-3-ol to at least 6000 μgkg⁻¹ whole bean or ground coffee as measured in the whole or ground coffee using the measurement method of Likens.

29. The method of claim 26, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises adding 3,7-dimethylocta-1,6-dien-3-ol to increase the concentration of 3,7-dimethylocta-1,6-dien-3-ol to at least 8000 μgkg⁻¹ whole or ground coffee as measured in the whole or ground coffee using the measurement method of Likens.

- 30. The method of claim 26, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises adding 3,7-dimethylocta-1,6-dien-3-ol to increase the concentration of 3,7-dimethylocta-1,6-dien-3-ol to at least 10,000 µgkg⁻¹ of whole or ground coffee as measured in the whole or ground coffee using the measurement method of Likens.
- 30. The method of claim 26, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises adding 3,7-dimethylocta-1,6-dien-3-ol to increase the concentration of 3,7-dimethylocta-1,6-dien-3-ol to at least 16,000 µgkg⁻¹ of whole or ground coffee as measured in the whole or ground coffee using the measurement method of Likens.
- 31. The method of claim 26, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises adding 3,7-dimethylocta-1,6-dien-3-ol to a whole bean coffee.
- 32. The method of claim 26, wherein said adding 3,7-dimethylocta-1,6-dien-3-ol comprises adding 3,7-dimethylocta-1,6-dien-3-ol to a ground coffee.
- 33. A coffee composition comprising:
 roast and ground coffee; and
 encapsulated 3,7-dimethylocta-1,6-dien-3-ol.

34. The coffee composition of claim 33, wherein the encapsulated 3,7-dimethylocta-1,6-dien-3-ol comprises maltodextrin, gum arabic, tricalcium phosphate and 3,7-dimethylocta-1,6-dien-3-ol.

35. A method for preparing coffee with elevated levels of 3,7-dimethylocta-1,6-dien-3-ol, said method comprising:

infusing green coffee with liquid or vapor form of 3,7dimethylocta-1,6-dien-3-ol diluted in a carrier consisting of polar and/or non polar solvents.

- 36. The method of claim 35, further comprising heating the green coffee and 3,7-dimethylocta-1,6-dien-3-ol between 20°C and 95°C for 15 minutes to 24 hours.
- 37. A ready to drink beverage comprising:

 concentrated or regular strength liquid coffee comprising 3,7
 dimethylocta-1,6-dien-3-ol present in an amount of at least 2000 μgkg⁻¹ of soluble coffee solids present in the liquid coffee as measured using the Likens method.
- 38. The method of claim 37, wherein the 3,7-dimethylocta-1,6-dien-3-ol present in an amount of at least 4000 μ gkg⁻¹ of soluble coffee solids present in the liquid coffee as measured using the Likens method.

39. The method of claim 37, wherein the 3,7-dimethylocta-1,6-dien-3-ol present in an amount of at least 10,000 µgkg⁻¹ of soluble coffee solids present in the liquid coffee as measured using the Likens method.

40. A coffee composition comprising:

roast whole bean coffee with a 3,7-dimethylocta-1,6-dien-3-ol coating.